My test mainly concerns about overlapping.

pieces_1.xml: incorrect with linear points

pieces_A.xml: correct with no overlapping pieces

pieces_B.xml: correct with no overlapping pieces

shape_A.xml: A heart

shape_B.xml: A cross

tangram_A.xml: one of the solution of pieces_A.xml

tangram_B.xml: one of the solution of pieces_B.xml

wrong_tangram_A: not a solution of pieces_A.xml because of overlapping.

wrong_tangram_B: not a solution of pieces_B.xml because of overlapping.